CIVIL TECH LABS
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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	M/S. Vishwanatha Sahakari Bank Niyamitha, BUMP
Name of Work	Construction of drains and culverts in sophalling to cross roads at CH.0/0, Layout R. Road no.1
Name of Agency	M/s. Technical Manager (Work)
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2004)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-2	11/05/2015	08/06/2015	28	8.15	495	22.00	21.93
2					8.18	485	21.56	
3					8.20	500	22.22	

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4. The results are based on the test conducted on samples supplied by the customer.

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TEST REPORT

TEST ON AGGREGATES ('AIV' & Combined Flakiness & Elongation Index)

Semi Dense Bitumenous Concrete

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Construction of drains and culverts in asphalting to cross roads of GKVK layout in ward no 04
Name of Agency	M/s. Technical Manager (West)
Date of Testing	03/06/2015
Reference	MORTH Table 500-14

Sl. No	Aggregate Impact Value 'AIV' in %	Average AIV in %	Remarks
1	19.5	20.2	Satisfactory (As per MORTH for SDBC, Maximum allowed AIV is 27, %)
2	20.9		

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Remarks
Flakiness Index	12.3	24.1	Satisfactory (As per MORTH for SDBC, Maximum allowed 'C-F&E' is 30 %)
Elongation Index	11.8		

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TEST REPORT

WATER ABSORPTION TEST OF ROAD AGGREGATES

Semi Dense Bitumenous Concrete (SDBC)

Name & Address of the Customer	AEE, Yelahanka Satelite Town Sub Division, BBMP.
Name of Work	Construction of drains and culverts in asphalting to cross roads of gkvk layout in ward no 11
Name of Agency	M/s. Technical Manager (West)
Date of Testing	03/06/2015

Method of Test	Sample No.	Water Absorption in %	Average Water Absorption in %	As per MORTH Table 500-14	Remarks
IS: 2386 (Part 3)	1	0.89	0.81	2 % Maximum	Satisfactory
	2	0.75			
	3	0.79			

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TEST REPORT

STRIPPING TEST OF ROAD AGGREGATES

Semi Dense Bitumenous Concrete

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Construction of drains and Culverts in asphalting to cross roads of Block layout in ward no 03
Name of Agency	M/s. Technical Manager (West)
Date of Testing	03/06/2015

Method of Test	Observation No.	Uncovered Area/Stripping in %	Average Stripping Value in %	As Per Morth Table 500-14	Remarks
IS 6241-1971 Reaffirmed 2003)	1	3.7	3.8	5 % Maximum	Satisfactory
	2	3.9			
	3	3.8			

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TEST REPORT

TEST ON AGGREGATES (AIV & Combined Flakiness & Elongation Index)

Wet Mix Macadam

Name & Address of the Customer	AEE, Yelahanka Sandra Town Sub Division, BBMP
Name of Work	Construction of drains and culverts at asphalting in cross roads of GKVK layout in ward no 04
Agency of the Name	M/s. Technocrat Managers (West)
Date of Testing	21/05/2015
Reference	MORTH Table 400-10

Sample No	Aggregate Impact Value 'AIV' in %	Average AIV in %	Remarks
1	22.3	22.1	Satisfactory (As per MORTH for WMM, Maximum allowed AIV is 30 %)
2	21.8		

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Remarks
Flakiness Index	11.8	24.7	Satisfactory (As per MORTH for WMM, Maximum allowed 'C-F&E' is 30 %)
Elongation Index	12.9		

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TEST REPORT
TESTS ON BITUMEN SAMPLE

Name & Address of the Customer	M/S. Yelahanka Satalite Town Sub Division, BBMP.
Name of Work	Construction of drains and culverts in asphalting to cross roads of CRVK layout in ward no 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	03/06/2015

Paving Grade of Bitumen - 80/100 Grade

Sl.No.	Name of the Test	Test As Per IS Code	Result	Specification As Per IS 73 : 2006	Remarks
1	Specific Gravity @ 27° C	IS : 1202-1978	0.98	0.97 - 1.02	PASS
2	Flash Point °C	IS : 1209-1978	243	Minimum 220°C	PASS
3	Fire Point °C	IS : 1209-1978	254	Not Specified	PASS
4	Softening Point (R&B) °C	IS : 1205-1978	50	Minimum 45°C	PASS
5	Penetration @ 25 °C 100g & 5 S, 0.1 mm	IS : 1203-1978	88	80-100	PASS
6	Ductuity @ 25 °C in Cm	IS : 1208-1978	67	Minimum 50 cm	PASS

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